KRISS® SUPER V™ SYSTEM

KRISS SUPER V VECTOR FAMILY OF FIREARMS

CRB/SO™, SBR/SO™ with SMG™ Addendum

MORE ROUNDS ON TARGET, MORE OF THE TIME

Read this manual carefully BEFORE attempting to operate your KRISS firearm. Any firearm is capable of causing serious injury or death to you or others if used improperly or handled in an unsafe manner. So, please get smart about your KRISS before heading to the range. We want you around to enjoy it.

WELCOME

Congratulations on the purchase of your KRISS® Super V™ firearm and welcome to the family of the most technologically advanced civilian, military and law enforcement small arms in the world.

KRISS-TDI is committed to providing you with the industry's best ownership experience and we have built our firearms, KRISS® Certified Dealer Network and Customer Service Program, to ensure a lifetime of satisfaction with your purchase. If there's anything we can do to improve, please drop us a note.

The KRISS® Super V™ System started with an original idea; that it was possible to design a reliable firearm operating system that actually works with the operator to help put more rounds on target, more of the time.

Every firearm we build is designed to help improve your shooting results, whether your challenge is in the field or on the range. By minimizing and re-directing the forces that create muzzle climb and felt recoil, the patented KRISS® Super V™ System eliminates the need for the operator to continuously reacquire his sight picture.

As you probably already know, the KRISS® Super V™ Operating System is unlike any other in the world, thus it is very important that you pay close attention to the operating requirements and safety information contained in this manual. When in doubt, please don't assume anything; check your manual, check with your KRISS® Certified Dealer and if all else fails, then call us and we'll get you on the right track.

Again, our thanks and congratulations on your purchase and we wish you a lifetime of productive and safe shooting with your KRISS® Super V™ Firearm.

Chuck Kushell
CEO and President
KRISS-TDI

TABLE OF CONTENTS

1.0 Safety First....4
2.0 Basic Description of the KRISS CRB/SO™ and SBR/SO™ Firearms and Major Assemblies....5
3.0 Standard Equipment and Installation....9
4.0 Operation
- Filling and Emptying Magazine....11
- Loading and Charging....12
- Unloading and Clearing....12

5.0 Maintenance
- Disassembly
  - Upper and Lower Housing Assembly....13
  - Bolt and Slider Assembly....13
  - Cleaning and Inspection....14
  - Bolt....14
  - Slider....14
  - Barrel Assembly....15
  - Assembly Pins....15
  - Upper Housing....15
  - Lower Housing....15
  - Lubrication....16
- Reassembly
  - Function and Safety Check....17

6.0 Compatible Ammunition....18
7.0 Troubleshooting Guide....19
8.0 Storing and Transporting....22
9.0 Warranty....23
10.0 KRISS CRB/SO™ and SBR/SO™ Specifications....25
11.0 Parts List and Technical Support....26
12.0 KRISS SMG Addendum....27

1.0 SAFETY FIRST

SAFETY is your responsibility when you are around firearms being operated. Below are some general guidelines you should follow closely when operating firearms yourself or in the company of those who are. For more information visit: www.nrahq.org/education/guide/asp.

GENERAL SAFETY RULES

1) **Always treat every firearm as if it were loaded.**
   This rule is intended to prevent unintentional injury to personnel while in the vicinity of a firearm
   a. Never trust your memory, or the word of others, about the safety status of a firearm. Check it yourself.
   b. Always check your firearm when it has been out of your sight or possession, even for a minute.
   c. Never hand a firearm to anyone with clearing it yourself and showing it cleared to the other person. Whenever you take control of a firearm, your first instinctive move must be to check that it is cleared.
   d. Never move in front of a firearm regardless of who's holding it
2) **Always keep the firearm pointed in a safe direction.**
   This rule is intended to help you create and maintain muzzle awareness.
   a. Always be aware of the muzzle direction of any firearm, whether you or someone else is holding it.
   b. Be aware of the maximum range of your firearm. If you do not know what is beyond your target or outside your vision in any direction you aim, do not point in that direction or pull the trigger.
   c. Never allow your firearm to point at any portion of your body… or anyone else's.
3) **Always keep your finger outside the trigger guard unless you are firing.**
   This rule is intended to minimize the risk of accidental discharge.
   a. No firearm can ever discharge if your finger is outside the trigger guard.
   b. Unexpected noise, shock, injury or even falling can cause an involuntary tightening of the grip and fingers. If your finger is off the trigger, you can't shoot yourself, or anyone else, accidentally.
4) **Always keep your firearm on safe until you intend to fire.**
5) **Always keep your firearm unloaded until you intend to use it.**
6) **Always know your target and what may lie behind it.**
7) **Always become thoroughly familiar with your firearm before using it.**
8) **Only use the correct ammunition specified for your KRISS. (Please refer to section 5.0 "Compatible Ammunition" in this manual.)**
9) **Always wear proper eye and ear protection when you are around firearms.**
10) **Be aware that certain types of firearms and firing situations require additional safety considerations.**

2.0 BASIC DESCRIPTION

THE KRISS VECTOR CRB/SO™, SBR/SO™ AND MAJOR ASSEMBLIES

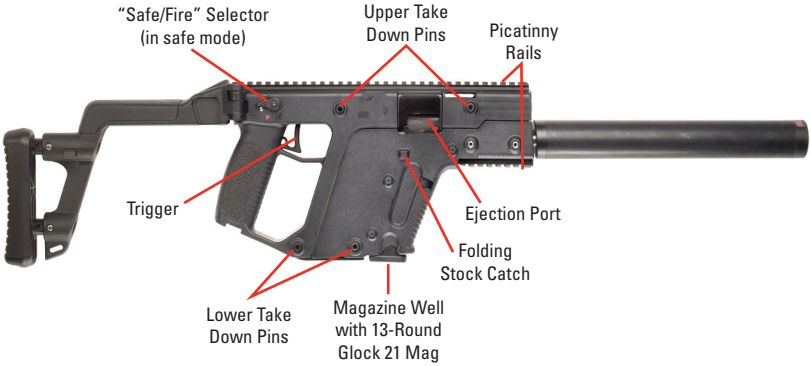
YOUR KRISS firearm was designed and engineered from an operator's point of view using state of the art CAD/CAM tools, firing thousands of times in the computer before manufacturing a single part, in order to ensure industry-leading reliability and durability. Continuous operator live-fire input over a 2-year period has been used to fine-tune and mature your firearm to the point that it is ready for you to enjoy.

The KRISS family of firearms is designed, manufactured and assembled in the USA using precision CNC machining, advanced steel and aluminum alloys as well as advanced injection molded polymer composite materials in order to create a precision-crafted firearm that is rigid, lightweight, rugged and reliable. The KRISS firearms (Vector SMG™) have successfully undergone the US Army Aberdeen Test Center Endurance and Environmental testing procedures, acknowledged as the toughest in the world. The result is a firearm that will provide you with years of reliable service if properly cared for as this Operator's Manual details. We strongly encourage you to provide us with any feedback you believe would be helpful to our goal of continuous improvement.

KEY FEATURES OF YOUR KRISS FIREARM

Your KRISS firearm has been designed to provide simple operation, maintenance and integration with a wide variety of KRISS and independent after-market accessories. Figures 1 and 2 are right hand and left hand views of the KRISS CRB/SO (same features as SBR/SO) and its key features and components (Note: Fixed stock CRB/SO and SBR/SO versions not pictured).

figure 1 Right hand view with folding stock in open position.



2.0 BASIC DESCRIPTION

THE KRISS VECTOR CRB/SO™, SBR/SO™ AND MAJOR ASSEMBLIES

figure 2 *Left hand view with folding stock in open position.*

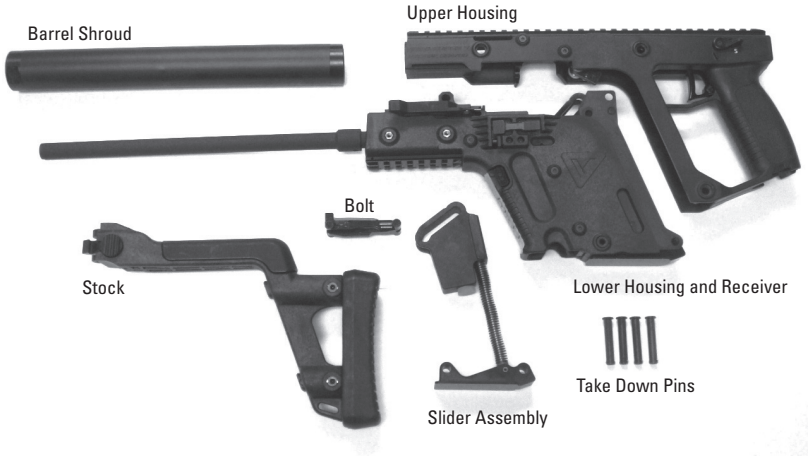
figure 3 *View of standard equipment.*

2.0 BASIC DESCRIPTION

THE KRISS VECTOR CRB/SO™, SBR/SO™ AND MAJOR ASSEMBLIES

Figure 4 shows the operator-level disassembly of the of the KRISS Vector firearms. This level of disassembly is accomplished by removing the four take down pins (no tools required) and separating the upper and lower receivers, removing the stock hinge pin and loosening the set screw on the underside of the barrel shroud and sliding it forward off the barrel.

figure 4 Disassembled view showing major sub-assemblies.



Upper Housing, Fire Control Group, Trigger Assembly and Takedown Pins
The upper housing is built from an injection molded polymer composite housing the Fire Control Group (FCG), Safe/Fire (S/F) selector and Picatinny rail. The upper housing and its subassemblies are fitted to the lower housing and retained through the use of 3 take down pins as shown in Figure 5.

figure 5 Do not attempt to remove the Fire Control Group

2.0 BASIC DESCRIPTION

THE KRISS VECTOR CRB/SO™, SBR/SO™ AND MAJOR ASSEMBLIES

Lower Housing with Bolt, Slider, Base Plate and Magwell Assemblies

The lower housing is a molded assembly that houses the receiver, barrel assembly, short lower Picatinny rail and hard mounting points for optional short rails to accommodate additional accessories. See Figure 6 below.

Receiver and Barrel Assembly

The receiver is build of hardened A2 steel plates spun-riveted together and contains the charging assembly, barrel assembly and last-round bolt catch assembly. See Figure 6 below. The serial number and other identifying information required by the BATFE are engraved on this assembly and IT IS A FEDERAL OFFENSE TO MODIFY THIS ENGRAVED INFORMATION IN ANY MANNER.

figure 6

Folding Adjustable Stock

The KRISS stock assembly, built of high-strength composite polymer materials, features an adjustable butt pad allowing the operator to select his own pull length. This stock folds and latches via a drop hook on the RH side of the firearm and the firearm is fully operable in this closed position. The stock is easily detached by removing the retaining pin as shown in Figure 7 below. (NOTE: Certain states require the KRISS be equipped with a non-folding, non-removable stock.)

figure 7

3.0 STANDARD EQUIPMENT

INSTALLATION

The KRISS ships with an extensive list of standard equipment as noted below. Please ensure all your equipment is intact upon delivery of your firearm.

Grip Storage Module: Designed to carry 2 AA batteries or small parts/tools in a watertight, snap-in compartment.

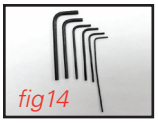
Cable Lock: Turn key to unlock. Lock bolt back. Thread open end of lock cable up through empty magwell and out the ejection port. Re-lock and remove key.

Custom Mini Cleaning Kit: Custom 17" KRISS cable, .45 ACP brush and instructions for cleaning your firearm.

Light Receptacle Cover: Prevents dirt from entering the pre-molded receptacle for the Surefire Executive Series lights (see www.kriss-tdi.com for more details). Provided 1.5mm allen key removes and tightens the retaining set screw. Upper housing must be separated before removing or installing the cover.

Custom MWI AR-Type Sights: Designed specifically for the KRISS firearms. Dual-aperture rear sight and fully adjustable for windage and elevation. Flip-down, lock-up operation. Do not attempt to use on non-KRISS firearms or use the KRISS MWI sights on other firearms. See "Sights" section following this page for more details.

Glock 21 Magazine: Standard 13-round capacity.
The KRISS .45 ACP firearms only accept the Glock 21 magazine. Do not attempt to use another brand or knock-off version. Standard pack-out is 13-round capacity except where restricted by law. Where permitted by law, KRISS-TDI has developed a 30-round magazine in both kit and fully assembled form. See your KRISS Dealer or www.kriss-tdi.com for more details and restrictions.



Allen Wrenches: 3/32 Butt Stock, 1.5mm Light Receptacle Cover, 2.0mm Bolt Lock and Barrel Shroud, 2.5mm Housing screws and 9/64 MWI Sights

3.0 STANDARD EQUIPMENT

INSTALLATION

Sights

KRISS firearms are equipped with a MWI AR-Type BUIS system that is custom engineered for only the KRISS firearms. Other iron sights will not work on the KRISS, and the KRISS MWI custom sights will not work on other firearms. *Your KRISS sights are laser bore sighted before leaving the factory, so minimal adjustment should be required.* To install and adjust, take the following steps and see figures 15a-d below:

Step 1: Determine your desired eye-relief distance from the rear sight by loosely fitting the rear sight on the top rail. Note the dual apertures in judging a comfortable viewing distance.

Step 2: Using the provided allen wrench, tighten the rear sight at your desired location, leaving room for the sight to flip down toward the rear of the firearm with a press of the release button.

Step 3: Mount the front sight at the extreme forward end of the rail and tighten. Sight folds toward the rear with a push of the release button. Just lift and rotate the sights forward to attain the locked up position; no use of the release button is required.

figure 15a

figure 15b

figure 15c

figure 15d

Adjusting

Front Sight: Adjustment for elevation will require the use of an A2 sight post tool (available at your KRISS Certified Dealer). Rotate the sight clockwise (downward) to raise the point of impact of the round, rotate the sight counter-clockwise (upward) to lower the point of impact.

Rear Sight: Turn the adjustment knob clockwise to move the aperture to the right, and counterclockwise to move the aperture to the left. If you need to re-center the sight, crank the aperture all the way to one side. Then count the number of clicks required to move the aperture to the opposite side. Divide this number in half, and this will be the number of clicks required to center. **To zero your sights once mounted, use the point of impact/point of aim method to zero.**

4.0 OPERATION

Filling the Magazine

NOTE: The Kriss .45 ACP firearms are designed to accept only the Glock 21 magazine. Use of any other type of magazine may damage your firearm and will void your warranty.

To fill the magazine, perform the following steps:

fig16a

Step 1: While holding the magazine in one hand, use the other to place a round on the follower slightly forward of the magazine lips. Press the round down against the spring with your thumb.

fig16b

Step 2: While pressing down with your thumb, slide the round rearward under the lips until it seats firmly to the back (flat) side of the magazine. Check the round count holes on the back of the magazine to help you keep track of how many you have chosen to load. Give the loaded magazine a good rap on the base with the palm of your hand to ensure the rounds have seated properly.

Emptying the Magazine

To empty the magazine, perform the following step:

fig17

Step 1: While holding the magazine in one hand, press downward slightly on the top round remaining in the magazine while sliding the round forward. Repeat until the desired number of rounds has been removed.

Inserting and Removing the Magazine

Insertion: Insert the magazine into the magwell firmly until you feel and hear the magcatch fully engage. A firm tap on the base plate as the magazine is seated is a good idea.

figure 18a *figure 18b*

Removal: Press the magcatch release button on the LH side of the magwell to release the magazine.

figure 19a *figure 19b*

4.0 OPERATION

Charging

After inserting a loaded magazine, and with the firearm on Safe, your finger off the trigger and pointing in a safe direction, rotate the charging handle 90 degrees from the housing (this will allow you to also perform an "automatic press check for brass"; see below). Grasping the charging handle as close to the housing as possible, firmly pull rearward to the full travel of the mechanism. Once the handle is all the way to the rear, release the handle to fly forward on its own; do not "ease or milk" it forward, let it go. This will strip a round from the magazine into the chamber while cocking the firearm and closing the bolt. Your firearm is now ready to fire.

fig 20a

UNIQUE SAFETY FEATURE: The KRISS has been designed to enable you to perform a "press check" to ensure the round has been properly chambered. As shown in figures 20b and 20c below, with the firearm still on safe, your finger off the trigger and pointed safely, rotate the charging handle back 90 degrees (do not pull back). Rotate the firearm to the left and inspect the ejection port. You will observe that the bolt has retracted just far enough for you to view the round in the chamber. If the round is properly seated and engaged by the extractor, release the charging handle and proceed.

figure 20b

figure 20c

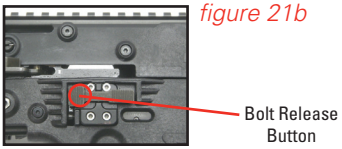
Unloading and Clearing

When finished firing, place your finger outside the trigger guard, switch the firearm to Safe and point the firearm in safe direction. Press the magazine catch release button on the left hand side of the magwell and remove the magazine. The last-round bolt catch should have engaged if you fired until the magazine emptied, holding the bolt in the retracted position.

Should the bolt catch not engage, or you have removed the magazine before it was empty, pull the charging handle rearward as if you were charging the firearm. While holding the handle in its full-back position, depress the bolt catch lever, which is the rearmost button on the bolt release/catch rocker lever on the left hand side of the firearm as shown in figure 21a below. Once you have visually determined there is no remaining brass in the chamber and the firearm is clear, depress the bolt release button, which is the forward button on the bolt release/catch rocker lever as shown in figure 21b below.

figure 21a

figure 21b



5.0 MAINTENANCE

YOUR KRISS has been designed for ease of operation and maintenance. By following the following directions closely, you can be assured of many years of reliable performance.

Disassembly

WARNING: Make sure your firearm is cleared before disassembly! BEFORE DISASSEMBLY, ENSURE THE BOLT IS IN THE FULLY FORWARD, CLOSED POSITION AND THAT THERE IS NO PRESSURE ON THE MAIN SPRING, WHICH CAN MAKE REMOVAL OF THE TAKEDOWN PINS MORE DIFFICULT.

Removing the Upper and Lower Housings

Separating the upper and lower housings provides easy access to all owner-serviceable assemblies and parts necessary for routine cleaning and maintenance. Follow these steps:

fig 22a

Step 1: Remove the two takedown pushpins located in the upper housing. You can use one of the pins to help push out the others. Remove the two pins in the bottom of the lower housing.

fig 22b

Step 2: Separate the housings by pulling straight up on the upper housing. If you hold the lower housing upright, be careful; the bolt and slider assembly may make a beeline for your foot by falling free.

Removing the Bolt and the Slider Assembly

The bolt and slider assembly will come out the bottom of the lower housing as a single unit.

Step 1: If you haven't dropped it already, just give a slight tug on the baseplate in order to remove the bolt and slider assembly.

Step 2: Once the assembly is removed, you may rotate the bolt 90 degrees to remove it from the slider. Note the pointing-up position of the "flag" at the top of the bolt and remember this position for reassembly. (figure 23b-c)

fig 23a

fig 23b

fig 23c

5.0 MAINTENANCE

Cleaning and Inspection

As always, make sure your firearm is cleared before attempting any cleaning or maintenance.

Your KRISS is like any other firearm in that it requires routine cleaning and lubrication maintenance every time you fire it. Every time you clean, always inspect for wear and damage and always clean and inspect if your firearm has been stored for a long period of time.

Generally and depending upon the ammunition you use (Please see compatible ammunition list in Section 6.0) and the conditions in which you shoot, we find the KRISS will require you to wipe down the bolt and slider raceways with a lint-free cloth and lightly lubricate every 400 rounds or so. The more dusty and humid the environment, the more frequent the cleaning requirement. We recommend a complete teardown, cleaning and inspection at least every 1000 rounds.

Bolt: Ensure the bolt face is clean and free of carbon build-up. Be especially careful to inspect and remove any build-up under portion of the extractor that extends into the bolt face as shown in figure 24 below.

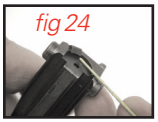


fig 24

Fouling or build-up of carbon under the extractor may lead to poor extraction function and poor chambering function. Ensure the extractor has no cracks or chips and that the extractor pivot pin has not drifted from its hole. Ensure that the extractor spring tension has not weakened. Check by pushing up on the forward (bolt face) end of the extractor with your thumb; it should only move slightly and require considerable force to move it at all.

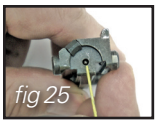


fig 25

Inspect the bolt face to ensure there is no scoring or other damage and that the area surrounding the firing pin channel is clear of build-up.

fig 26

Operate the firing pin by pushing it from the rear (Q-tip suggested) to ensure it moves freely and easily. Very little pressure will be required. Inspect the tip of the pin to ensure it is clear of build-up and not deformed in any way.

Slider: Ensure the retaining screw at the top of the spring assembly is tight. Inspect the buffer to figure 27 ensure it is not torn or overly worn. Inspect the slider to ensure there are no cracks in the bolt retaining rails.

fig 27

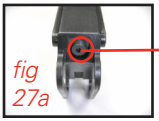


fig 27a

5.0 MAINTENANCE

Barrel Assembly: There is no maintenance required for the barrel shroud or the outside of the barrel covered by the shroud. Should you wish to remove the shroud use the 2.0m allen wrench to loosen the set screw on the underside of the barrel and carefully slide the shroud from the barrel being careful not to tear the rubber O-ring at the muzzle end. To prevent tearing, it is a good idea to lightly lubricate this O-ring when reinstalling. Warning: Clean the threads of the set screw, align the screw with the dimple on the barrel and use 1-2 drops of Loctite Blue 242 when re-tightening the set screw. Always ensure this set screw is tight before firing!

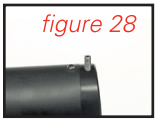


figure 28

Assembly Pins: Inspect the four takedown push pins to ensure they are undamaged (figure 29). It is always a good idea to clean each of these, paying particular attention to those you use to secure the lower housing and receiver as these retain the operating mechanism.

figure 29

Upper Housing: To clean the upper housing, wipe it down using patches or a lint-free cloth. Use a Q-Tip and/or a nylon bristle brush to reach and clean the Fire Control Group (FCG). If this area gets really dirty, it is acceptable to wash it out with mild soap and water, but ensure the entire assemble is dry before re-lubricating before reassembly. Other items to inspect include:

fig 30

- Ejection port mounting screws are tight.
- Ambidextrous F/S lever mounting screws are tight and there is a positive click as the lever is switched back and forth.
- Picatinny rail retaining screw (forward end of rail) is tight.
- FCG and frame is tight in the housing and debris-free.

NOTE: Do not attempt to remove the FCG; there are no owner serviceable aspects to this assembly.

Lower Housing: Clean the lower housing as you clean the Upper. Other items to inspect include:

fig 31

- Housing screws are tight.
- Bolt catch/release lever mounting block screws are tight and area underneath is clear.
- Charging handle moves freely and its two return springs are intact and clean.
- Mag release button moves freely and area underneath is clear.
- Ejector is not loose or bent.

NOTE: If you have any issues or questions about taking care of your KRISS, please contact your local KRISS Certified Dealer directly. If not satisfied, please contact KRISS-TDI at www.kriss-tdi.com or 757.821.1089, extension 301/302, 0900-1700 M-F ET.

5.0 MAINTENANCE

Lubrication

The key to long life and proper function of your firearm is use of a quality lubricant. The OTIS™ brand lubricant supplied in sample form with your KRISS cleaning kit is recommended, as is the EWL SliP 2000™. As with any firearm, it is recommended that all metal parts be lightly lubricated before reassembly or storage in order to prevent corrosion.

Upper Housing/FCG: NOTE: Do not remove the FCG from the Upper. Place two drops of oil on the hammer and hammer pivot pin and operate the trigger and hammer several times so that the oil works its way into the moving parts of the FCG assembly. (figure 32)

figure 32

Lower Housing: Lubricate as noted in the areas highlighted in red below: 2-3 drops in the left and right slider raceways figures 33a-b, thin coat of oil on the bolt lugs and slider bolt raceway figure 33c, one drop of oil on the extractor pivot pin figure 33d, two drops on the charging handle assembly cycle the action to ensure proper coverage figures 33e-f.

figure 33a

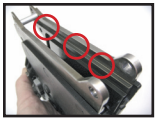


figure 33b

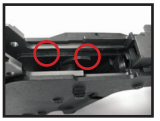


figure 33c

figure 33d

figure 33e

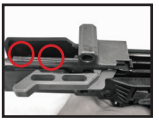
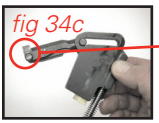


figure 33f

5.0 MAINTENANCE

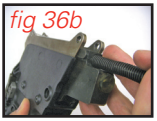
Reassembly
Reverse the disassembly process through the following steps:

Step 1: Insert the rear bolt lugs into the slider rails and rotate 90 degrees (figures 34a-c) so that the "flag" metal flange on the left upper side of the bolt) is pointing up and away from the slider.



Step 2: Insert the two front lugs of the bolt into the Lower receiver forward raceways (figures 35a-b) followed by the rear lugs of the bolt into the same raceway.

Step 3: Insert the slider into the Lower receiver rear raceways and gently compress the bolt and slider assembly (figures 36a-c) into the firearm until the base plate seats in the receiver.



Step 4: Once the base plate is flush with the bottom of the Lower receiver, insert one of the takedown push pins (figure 37), into the forward lower hole (closest to the magwell).

Step 5: To attach the Upper housing, first ensure that the hammer is in the cocked position; the figures 38a-c Upper will not fit to the Lower with the hammer uncocked. Align the Upper with the Lower and gently slide the Upper, with a slight barrel-down attitude, rotate down and over the Lower receiver plates taking care to align the pin holes. Don't force it! (figures 38a-c)

Step 6: Insert the 3 remaining takedown push pins, staring with the remaining lower pin (figure 39) then the upper forward pin and lastly, the upper rearward pin.

6.0 COMPATIBLE AMMUNITION

OPERATORS PLEASE NOTE: Your KRISS SUPER V SYSTEM mechanism was designed to run at a high rate of speed; up to 1,100 rounds per minute in the KRISS Super V SMG. As such, the type of ammunition used is critical to the proper operation of the firearm. *There is a wide variation in ammunition quality, design and reliability. We recommend strongly against firing any ammunition that is not on the list below, particularly if it is manufactured outside the US.*

WARNING: We have certified the following brands and types of ammunition for your KRISS. USE OF ANY OTHER TYPES OF .45 ACP AMMO IS STRONGLY NOT RECOMMENDED AND USE OF ANY HAND RE-LOADS WILL AUTOMATICALLY VOID YOUR LIFETIME WARRANTY.

- Federal American Eagle, .45 ACP, 230gr., FMJ
- Remington .45 ACP, 230gr., FMJ
- US Government MILSPEC .45 ACP, 230gr., FMJ (Olin Corp.)
- Remington .45 Auto, 230gr., Golden Saber HPJ
- Winchester, .45 ACP, 230gr., FMJ (White Box)
- Winchester, .45 ACP, 230gr., JHP, USA .45 ACP JHP
- Federal Premium, Personal Defense Low-Recoil, Hydra-Shok, .45 ACP 165gr. JHP PD45H53H

We will post newly certified ammunition as we are able on our website www.kriss-tdi.com under "Support."

7.0 TROUBLE SHOOTING GUIDE

YOUR KRISS has been designed to exacting standards and specifications to provide you with years of trouble-free operation if properly cleaned, lubricated and inspected. However, if you experience a problem, please refer to the suggestions below. If the problem persists, first please contact your local KRISS Certified Dealer, and failing all else, please contact us at www.kriss-tdi.com or call Customer Service at the number listed on our site. We'll be happy to help.

STOPPAGE

Stoppages and malfunctions may occur for many reasons, or combination of reasons. Should a stoppage or malfunction occur when you are firing, immediately CEASE firing, SAFE the firearm, REMOVE the magazine and DIAGNOSE the problem before attempting to fire again! Some common causes of most stoppages and malfunctions are:

BOLT NOT FULLY SEATED (FORWARD): This stoppage can be caused by something as simple as dirty ammo or operating action, or by easing the bolt forward by hand. Immediately:

Step 1: SAFE THE FIREARM and point in a safe direction.
Step 2: Check the chamber to ensure no double feed has occurred. Lock the bolt back if you see any fouled rounds. Clear any fouled rounds. Remove and replace magazine if necessary.
Step 3: Charge the firearm to chamber a new round by operating the charging lever or releasing the bolt.
Step 4: Switch the firearm to FIRE, target the firearm and attempt to fire.

DOUBLE FEED: This stoppage can be caused by a fouled chamber, a bad magazine or dirty ammunition. Any time two rounds foul the feed ramp or chamber, immediately:

Step 1: SAFE THE FIREARM and point in a safe direction.
Step 2: Lock the bolt back and remove the magazine.
Step 3: Clear the fouled rounds.
Step 4: Check the magazine to ensure rounds are properly seated and are clean.
Step 5: Re-install the magazine, release the bolt, switch the firearm to FIRE target and attempt to fire.

7.0 TROUBLE SHOOTING GUIDE

REDUCED AUDIBLE FIRING SOUND, SMOKE FROM THE CHAMBER OR REDUCED RECOIL (SQUIB ROUND):

WARNING: IMMEDIATELY CEASE FIRING should you experience any reduced audible report, reduced recoil or unusual smoking from the chamber when firing.

You may have a "squib" round situation, in which a round does not fire completely due to a lack of propellant burn and the round may lodge in the barrel causing a dangerous obstruction that, should you fire another round, may damage the firearm severely and cause potentially severe injury or death to the operator. Immediately:

Step 1: SAFE THE FIREARM and point in a safe direction.
Step 2: Remove the magazine and eject or clear any remaining round from the chamber.
Step 3: Disassemble the Upper housing from the Lower and remove the bolt assembly from the Lower receiver.
Step 4: Visually inspect the barrel from the chamber end and run a cleaning rod through the barrel to ensure there is no bullet stuck in the bore. IF you find a bullet in the bore, take the firearm to your KRISS dealer to have it removed and inspected professionally. You may damage the barrel if you try to pound the bullet out yourself. DO NOT ATTEMPT to fire until the firearm has been thoroughly and professionally inspected.

7.0 TROUBLE SHOOTING GUIDE

OTHER COMMON PROBLEMS/CAUSES

1. WILL NOT FIRE
- a. Firearm is switched to SAFE
- b. Fouled firing pin
- c. Trigger failure to reset
- d. Defective ammunition

2. BOLT FAILURE TO SEAT
- a. Dirty bolt face; dirty ammunition; fouled chamber
- b. Weak or failed mainspring
- c. Easing the bolt forward by hand

3. FAILURE TO FEED OR DOUBLE FEED
- a. Dirty, defective or unapproved ammunition; fouled chamber
- b. Fouled bolt face/extractor
- c. Weak or failed mainspring
- d. Dirty or fouled bolt/slider assembly and raceways
- e. Magazine dirty, defective or failed to seat properly
- f. Easing the bolt forward by hand

4. FAILURE TO EJECT/EXTRACT (STOVEPIPE)
- a. Broken, chipped, worn or fouled extractor or ejector
- b. Weak extractor or ejector spring
- c. Obstruction in ejection port
- d. Dirty, defective or unapproved ammunition

5. BOLT FAILS TO LOCK AFTER LAST ROUND FIRED
- a. Fouled, bent, broken or loose bolt catch or bolt lock trigger/lever
- b. Faulty or improperly seated magazine

6. F/S SELECTOR BINDS
- a. Fouled trigger mechanism
- b. Poorly lubricated F/S selector mechanism

7. MAGAZINE FAILS TO SEAT/REMAIN IN FIREARM
- a. Not fully seated; push firmly
- b. Faulty or worn magazine; non-GLOCK magazine used
- c. Worn mag release button, catch or spring

8. TRIGGER FAILURE TO RESET
- a. Weak primary sear return spring
- b. Dirty or fouled trigger mechanism or FCG

8.0 STORING AND TRANSPORTATION

YOUR KRISS comes equipped with a custom cable lock that will satisfy all requirements for locking a firearm safely. Use of this lock does not override the requirement to always observe firearm safety procedures. However, it is YOUR responsibility to know and comply with any State or Local regulations and restrictions that may effect how firearms must be stored where you live. It is only common sense to always store your firearm unloaded, locked or not, in a gun safe away from prying eyes and hands.

ALWAYS clean and lubricate your KRISS before storing it for any length of time in order to prevent corrosion (see Maintenance section) and thoroughly inspect your firearm after removing it from storage and before firing it; corrosion can impair functionality of important safety features and create a safety risk if you fail to inspect, re-clean and re-lubricate your firearm before firing.

TRANSPORTING a firearm tolls a wide and often bewildering variety of Federal, State and Local laws covering what you can and cannot do and how your firearm must be configured for travel. We believe the following websites can assist you in learning what the Federal requirements and restrictions are. For your State and Local regulations, we suggest you check with your local LE unit and your local KRISS Certified Dealer for assistance.

- www.tsa.gov/travelers/index.shtm
- www.tsa.gov
- www.atf.gov
- http://atf.treas.gov/firearms/faq/index.htm

9.0 WARRANTY

KRISS-TDI warrants its KRISS Super V Vector CRB/SO, SBR/SO and CRB civilian carbines to be free from defects in materials and workmanship. This KRISS Warranty is effective from the date of purchase and lasts as long as the original consumer purchaser owns the KRISS firearm.

To authorize this Warranty, the purchaser must notify KRISS-TDI upon purchase of their new, not resold, firearm by completing the KRISS Online Warranty Registration at www.kriss-tdi.com/registration or my submitting the mail-in card enclosed in your original shipping case.

Any such defects of which KRISS-TDI receives written or electronic notice during the term of this Warranty will be remedied by KRISS-TDI without charge to the original owner and within a reasonable time after such notification and delivery of the firearm at the owner's expense as provided below.

THIS WARRANTY DOES NOT COVER:

- Defects of malfunctions resulting from careless handling or non KRISS-TDI factory modifications.
- Use of defective or improper non-approved ammunition, including any use of hand reloads, corrosion, neglect, abuse, ordinary wear and tear or unreasonable use. (See Section 5.0 of this manual or visit www.kriss-tdi.com/support for a list of approved ammunition.)
- Criminal misuse, negligence or use under the influence of drugs or alcohol.

NOTE: KRISS-TDI shall not be responsible in any manner whatsoever for injury, death or damage to property as a result of the intentional or accidental discharge of this firearm, or from its proper function when the firearm is used for purposes for which it is not designed.

PROBLEMS AND WARRANTY CLAIMS

If you experience a problem with your KRISS that cannot be resolved by your KRISS Certified Dealer or by KRISS-TDI by phone or e-mail, please return your firearm to your local KCD (see www.kriss-tdi.com.com for a current list of dealers) along with all your current contact information. Your KCD will return the firearm to KRISS-TDI and we will respond with problem resolution action steps to you and your KCD within 48 business hours of receipt. If you or your KCD have any questions, call us on 757.821.1089, extension 301/302, 0800-1700 ET, M-F.

Warranty claims must state the model and serial number of the firearm, all necessary e-mail and voice contact information and a description of the difficulty experienced. KRISS-TDI cannot assume responsibility for damage during transit, so pack your firearm properly and ensure you comply with all Federal, State and Local regulations governing the shipping of your firearm.

9.0 WARRANTY

Upon receipt, your firearm will be assigned to our service team and repaired or replaced at KRISS-TDI may determine at its sole discretion. The firearm will be returned to your KCD at no expense to you.

This warranty is exclusive and is in lieu of any and all other warranties, expressed or implied. No implied warranties of merchantability or fitness for a particular purpose are given and any and all liability for breach of any implied warranty or warranty created by law is disclaimed.

Some states do not allow limitations on how long an implied warranty may last, so the above limitation may not apply to you.

Under no circumstances shall KRISS-TDI be liable for incidental or consequential damages with respect to economic loss, injury, death or property damage, whether as a result of breach of this warranty, negligence or otherwise.

Some states do not allow the exclusion or limitation of incidental or consequential damages, so the above limitation or exclusion may not apply to you in whole or in part. This Warranty gives you specific legal rights. You may also have other rights that vary from state to state.

10.0 SPECIFICATIONS

FOR KRISS CRB/SO™, SBR/SO™

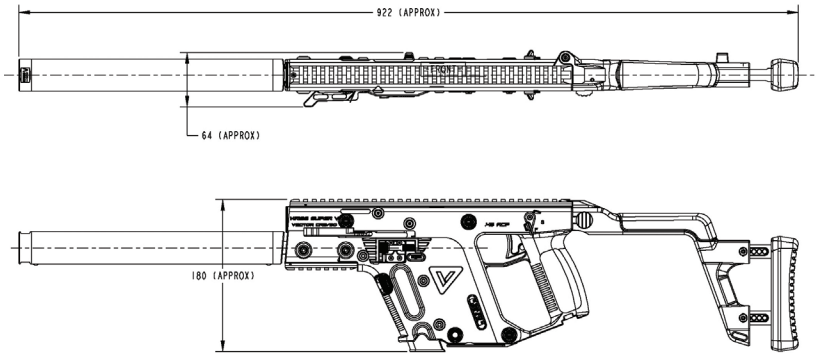
Description: KRISS Super V Vector CRB/SO, SBR/SO with removable, folding adjustable stock, or fixed, non-folding adjustable stock.
Caliber: .45 ACP
Operating Principle: Mechanically delayed blowback, fires from closed bolt position using patented KRISS Super V System technology to reduce felt recoil and muzzle climb.
Firing Mode: Semi-automatic only with ambidextrous F/S controls.
Magazine: One (1) Glock 21 13-round magazine supplied unless limited by State or Local law.
Weights:

CRB/SO unloaded, with stock: 6 lbs. 1 oz.
SBR/SO unloaded, without stock: 5 lbs. 6 oz.
Loaded 13-round magazine: 15.8 oz.

Length/Width/Height:

CRB/SO stock open or fixed: 35/2.5/7″
CRB/SO stock closed: 27/2.5/7″
SBR/SO stock open or fixed: 24/2.5/7″
SBR/SO stock closed: 16/2.5/7″

Barrel Length: CRB/SO: 16.25″ 15mm OD; SBR/SO (SMG): 5.5″ 16mm OD with M1x16 LH thread and threadcap optional.
Barrel Twist/Type: 1:16″, RH/Cr-MO steel, hexagonal rifling
Muzzle Velocity: CRB/SO: 875 fps, SBR/SO: 850 fps using standard 230gr. FMJ ammunition
Sights: Custom KRISS-TDI flip-up/lock-up/flip-down AR-type sights, removable, fully adjustable for windage and elevation with protected front post.



11.0 PARTS LIST & TECH SUPPORT

SKU#	Description
RBASK0800001	KSV BOLT ASSEMBLY KIT
RBSHK0800001	KSV BARREL SHROUD KIT
RCHRK080001	KSV CHARGING HANDLE KIT
REJAK0800001	KSV EJECTOR ASSEMBLY KIT
RFSAK0800001	KSV FOLDING STOCK ASSEMBLY KIT
RMAGK0800001	KSV MAG CATCH REBUILD KIT
RMSBU0800002	KSV MAIN SLIDE BUFFER KIT 2PK
RMSBU0800004	KSV MAIN SLIDE BUFFER KIT 4PK
RMSSA0800001	KSV MAIN SLIDE SUB-ASSEM KIT
RSLBK0800001	KSV STOCK LATCH BUTTON KIT
RSLVK0800001	KSV F/S SELECTOR LEVER KIT
RTDPS0800002	KSV TAKE DOWN PUSH PIT KIT 2PK
RTDPS0800004	KSV TAKE DOWN PUSH PIT KIT 4PK
RFCGC0900001	KSV FIRE CONTROL GROUP KIT CRB/SBR
RFCGS0900001	KSV FIRE CONTROL GROUP KIT SMG

Technical Suport
Should you experience any issue not covered by this manual, please contact your local KRISS CERTIFIED DEALER for support. The KCD's have been extensively trained on how to diagnose and repair your KRISS. If this doesn't solve the issue, please contact us at:

www.kriss-tdi.com
757.821.1089 ext. 301/302
0800-1700 ET, M-F

12.0 KRISS SMG ADDENDUM

KRISS® SUPER V SYSTEM

KRISS SUPER V VECTOR FAMILY OF FIREARMS

KRISS Super V Vector SMG™
Submachine Gun
Addendum

12.0 KRISS SMG ADDENDUM

THIS addendum describes the specifications, features, operation, maintenance and safety procedures unique to the KRISS Super V Vector SMG. Unless otherwise noted, all items are identical to the KRISS Super V Vector CRB/SO and SBR/SO. Please refer to the CRB/SO and SBR/SO Operator's Manual for information on items in common. NOTE: The KRISS Super V Vector SMG is restricted to sale and usage by qualified Military and Law Enforcement Units and their authorized KRISS dealers.

KEY FEATURES AND DESCRIPTION OF THE KRISS SUPER V VECTOR SMG

Figures 1SMG and 2SMG depict the distinguishing features of the KRISS Super V Vector SMG from the CRB/SO and SBR/SO firearms.

fig 1SMG

Note the 5.5" barrel (shown with threadcap) and 3-position Fire Control Mode Selector Switch.

fig 2SMG

Fire Control Mode Selector Switch

fig 3SMG

The KRISS SMG has ambidextrous fire mode selector switches located on either side of the Upper housing. As shown in figure 3SMG, there are 3 positions: Semi-automatic, two-round burst and full-automatic. The semi-automatic position is indicated by a single red bullet, the two-round burst by two red bullets and the full-automatic with three bullets followed by "...." The separation of the S/F switch and the fire mode selector switch has been carefully designed to permit the operator to "pre-set" his desired rate of fire for any given situation while being able to keep the firearm on Safe.

Operation

With the firearm on Safe and pointed safely, select the desired mode of fire, switch to Fire and select and engage the target. Before selecting another mode of fire, switch the firearm to Safe, select the new mode of fire, switch the firearm to Fire and select and engage the target.

When finished firing or in the event of any malfunction, with the firearm pointed safely, switch the firearm to Safe. Select the semi-automatic fire mode position. Clear the firearm.

12.0 KRISS SMG ADDENDUM

Maintenance
Follow all steps and procedures as shown for the CRB/SO and SBR/SO elsewhere in this Manual.

If your firearm is equipped with a threaded barrel, ensure the threads and threadcap are cleaned and lightly lubricated periodically.

As noted in figure 4SMG below, the KRISS SMG uses a similar FCG to the KRISS carbines and is accessed in the same manner; features and lubrication points unique to the KRISS SMG are noted as follows:

figure 4SMG

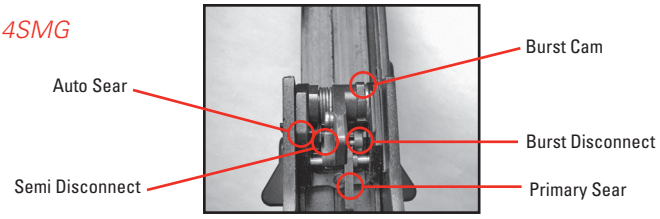


fig 4SMG

Safety

NOTE: As with any select fire submachine gun, the KRISS SMG with its 5.5" barrel requires increased muzzle awareness at all times when firing (particularly when using a vertical foregrip mounted to the lower rail), clearing or cleaning the firearm. Bear in mind you are firing a machine gun capable of 1,100 rounds per minute; that's all 13 rounds in the standard magazine fired in less than one second!

Although all other safety features and procedures are the same for the KRISS SMG as they are for the CRB/SO and SBR/SO, we recommend always returning the firearm fire mode selector switch to semi-auto after placing the firearm on Safe for clearing or maintenance.

Although the KRISS SMG delivers unprecedented levels of control through its patented KRISS Super V mechanism, substantially reducing felt recoil and muzzle climb, ALWAYS utilize proper tactical shooting positions and techniques for maintaining control while firing.

Finally, if your firearm is equipped with a threaded barrel for suppressed fire and you are using the provided threadcap protector, always check to ensure the threadcap is hand-tight before firing and check it for tightness frequently when firing.

12.0 KRISS SMG ADDENDUM

SPECIFICATIONS

Description	KRISS Super V Vector SMG with removable, folding adjustable stock.
Caliber	.45 ACP
Operating Principle	Mechanically delayed blowback, fires from the closed bolt position using patented KRISS Super V System technology to reduce felt recoil and muzzle climb.
Firing Mode	Semi-automatic, two-round burst and full-automatic with separate, ambidextrous controls.
Rate of Fire	850-1100 rpm
Magazine	One (1) Glock 21 13-round magazine standard. 30-round Glock 21 available
Weights	SMG unloaded, with stock: 5 lbs. 6 oz. Loaded 13-round magazine: 15.8 oz. Loaded 30-round magazine: 1lbs. 12oz.
Length/Width/ Height	SMG stock open: 24/2.5/7” SMG stock closed: 16 /2.5/7”
Barrel Length	5.5” 16mm OD with M16x1LH threads and threadcap optional
Barrel Twist/Type	1:16”, RH/Cr-MO steel, hexagonal rifling
Muzzle Velocity	850 fps nominally using standard 230gr. FMJ ammunition, unsuppressed 900 fps nominally using standard 230gr. FMJ ammunition, suppressed
Sights	Custom KRISS-TDI flip-up/lock-up/flip-down AR-type sights, removable, fully adjustable for windage and elevation with protected front post.

KRISS® SUPER V™ SYSTEM

KRISS SUPER V VECTOR FAMILY OF FIREARMS

Transformational Defense Industries, Inc
P. O. Box 8928
Virginia Beach, VA 23450

Customer Service
Warranty Questions
M-F 0900-1700 ET

1.757.821.1089 Ext. 301/2
www.kriss-tdi.com

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